

FIG. 1

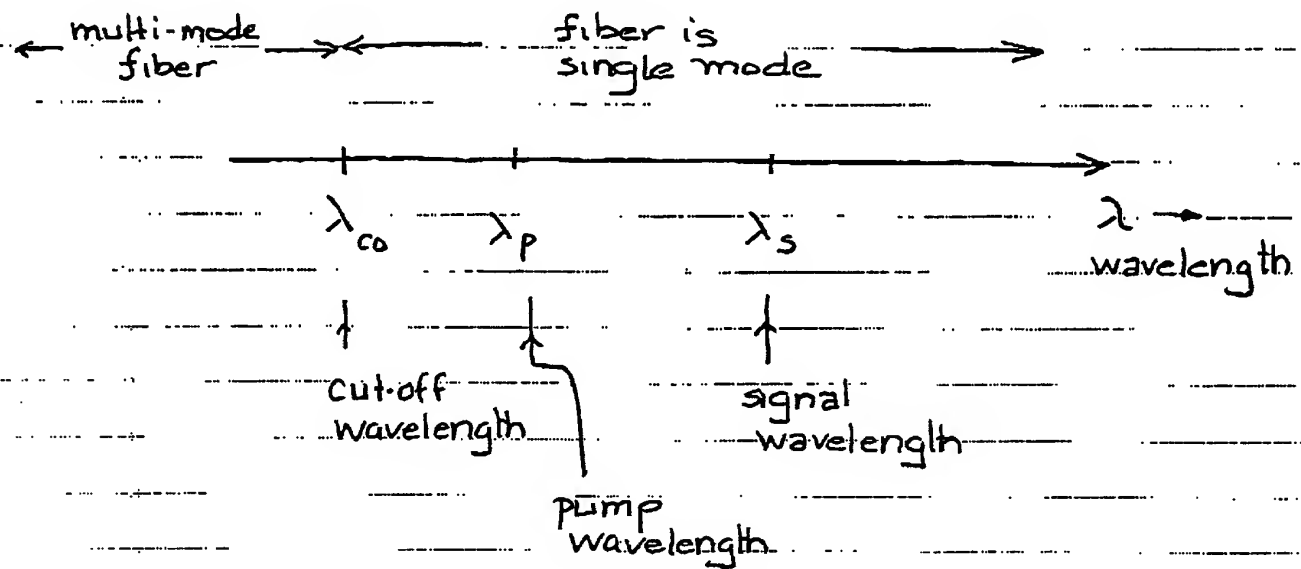


FIG 2

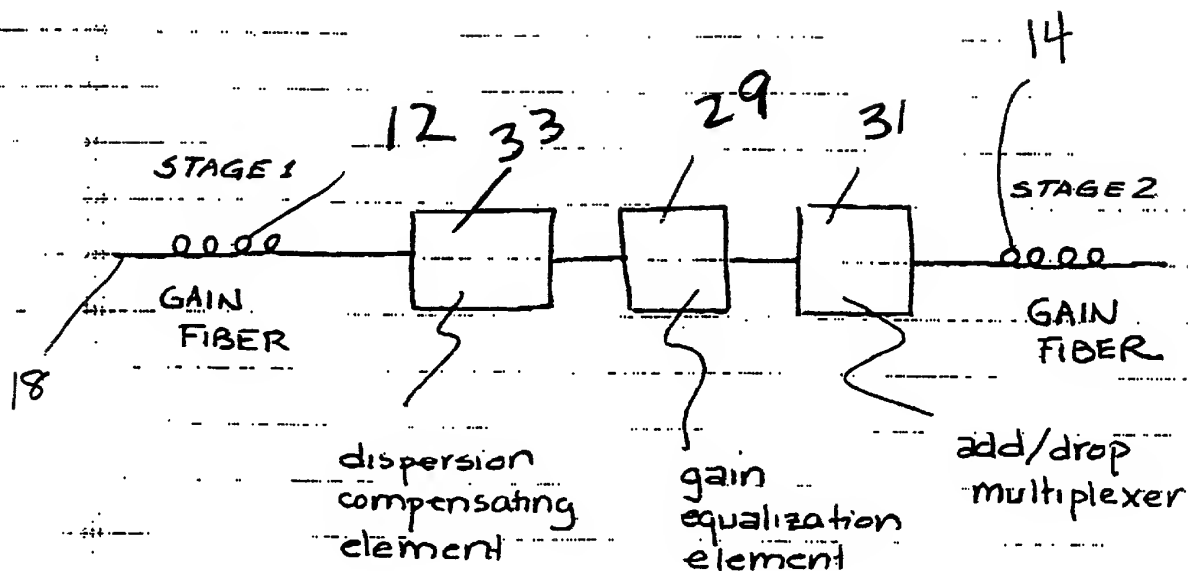


FIG. 3

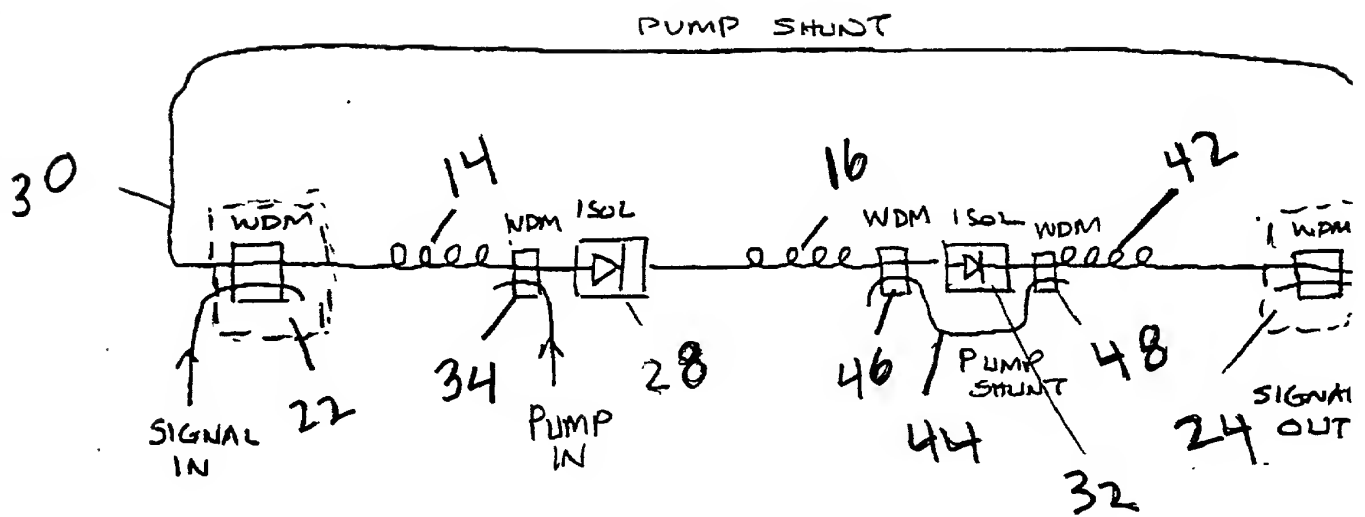


FIG. 4

FOOTPRINT SEARCH

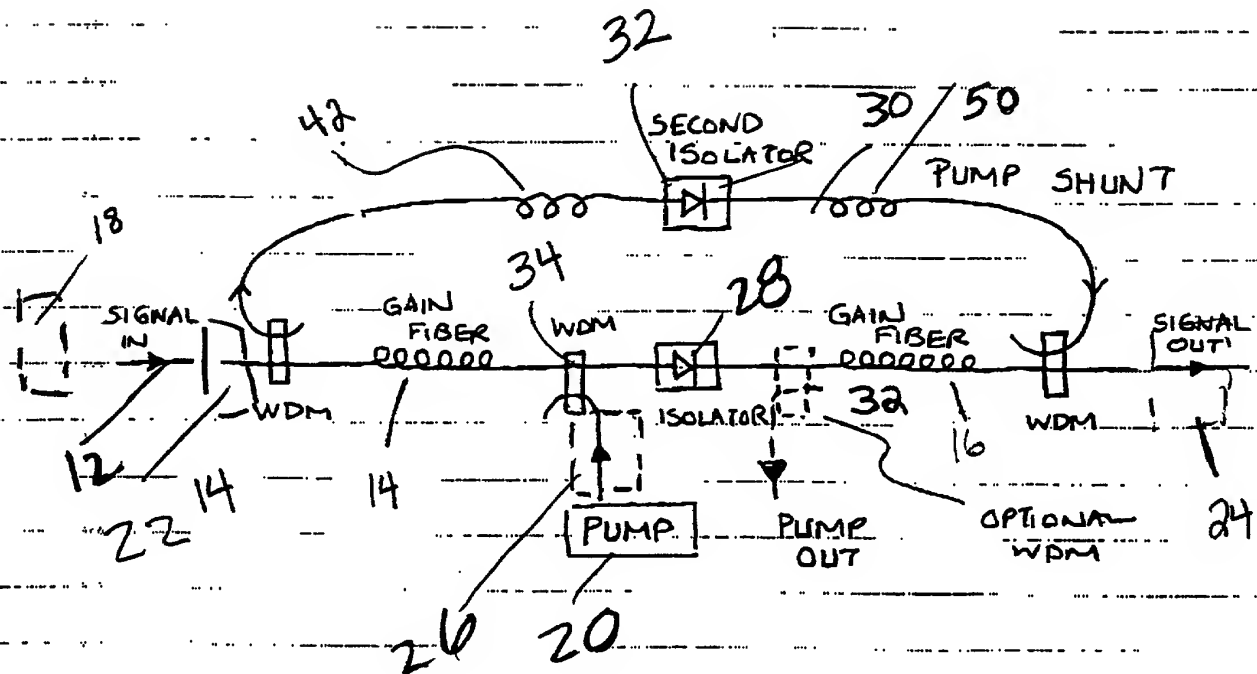


FIG. 5

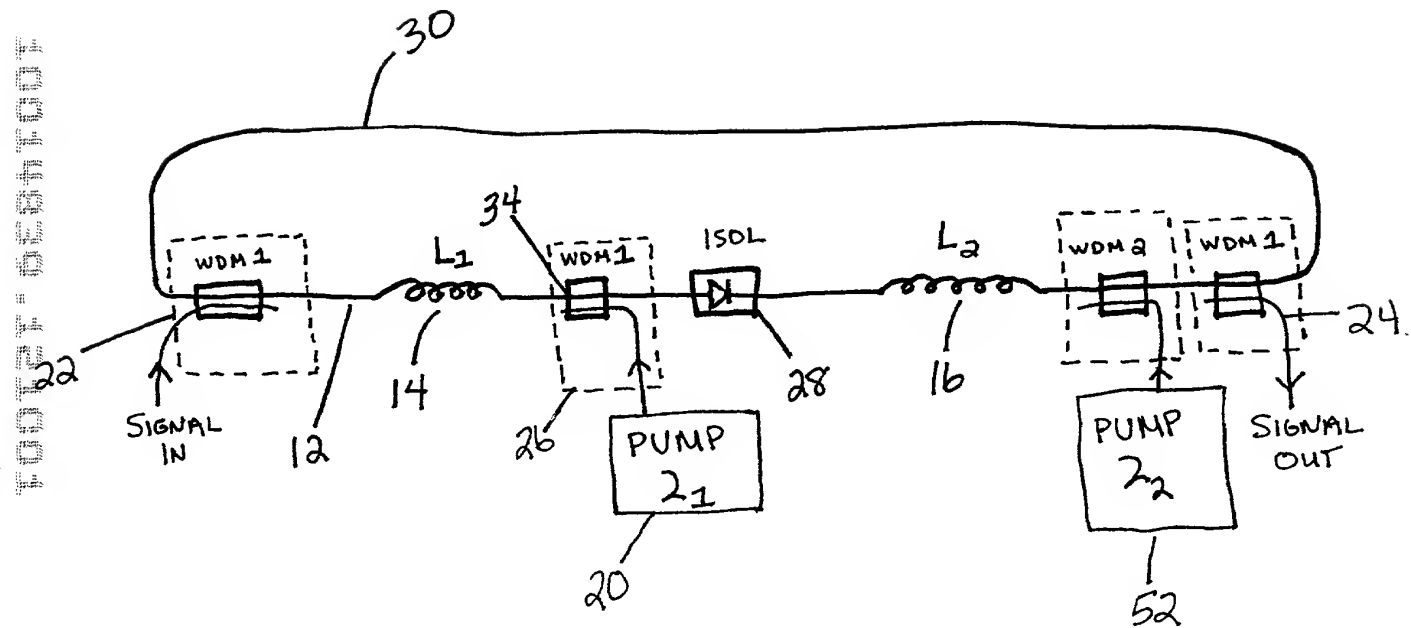


Fig. 6

FIG. 7

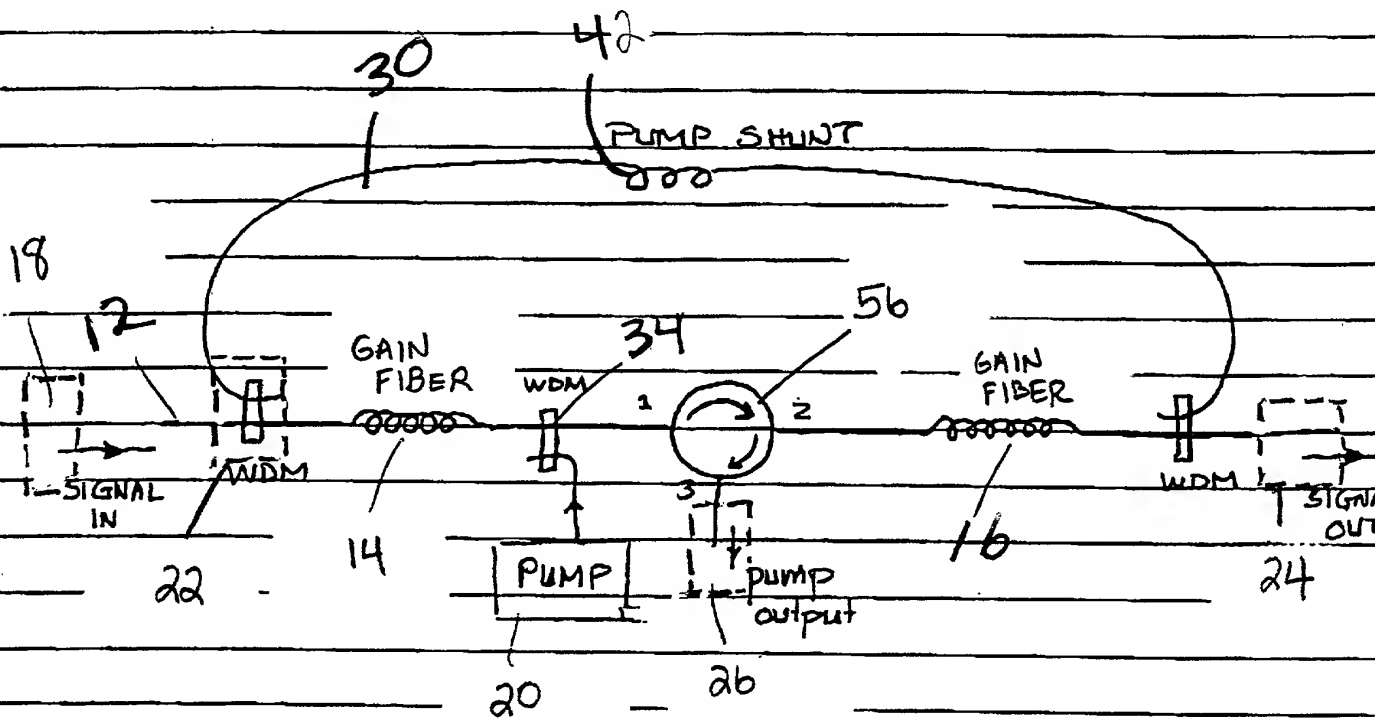


FIG. 7

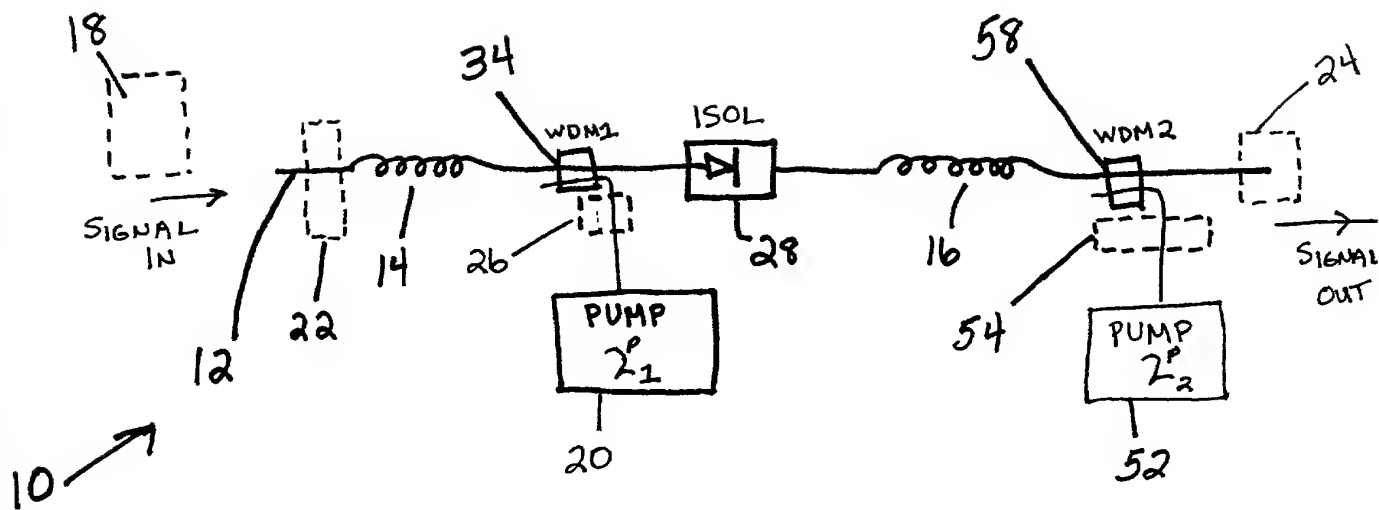


FIG. 8

FIG. 8b

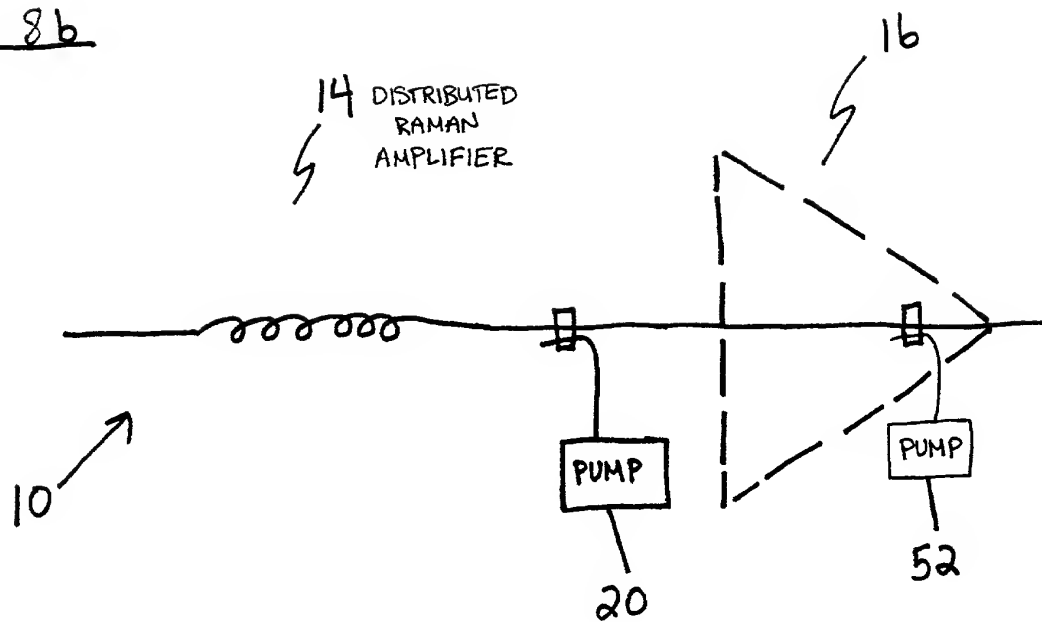
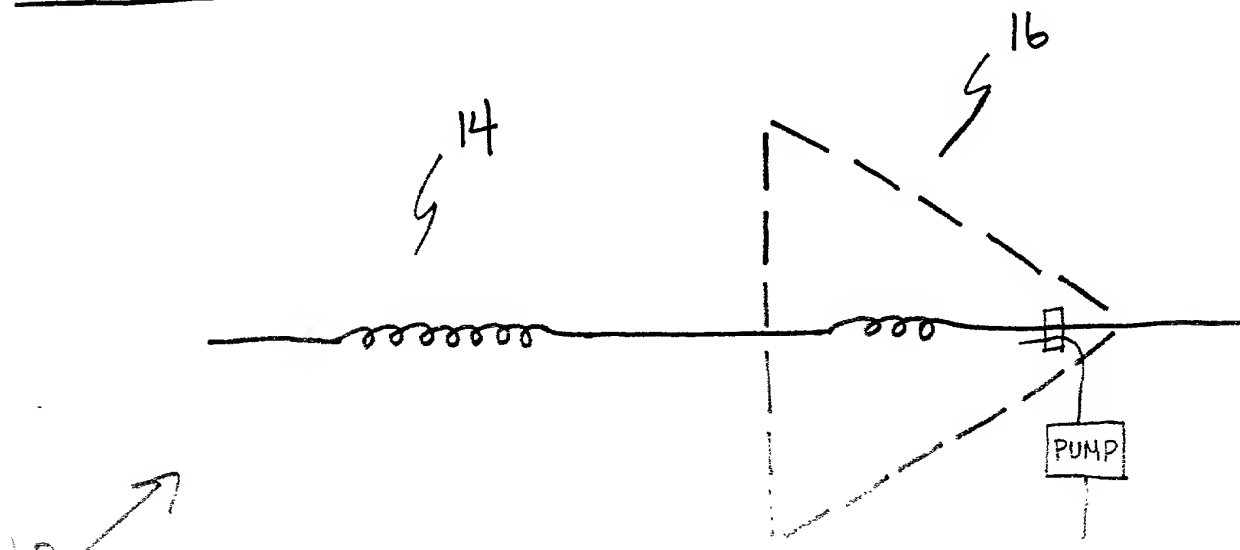


FIG. 8c



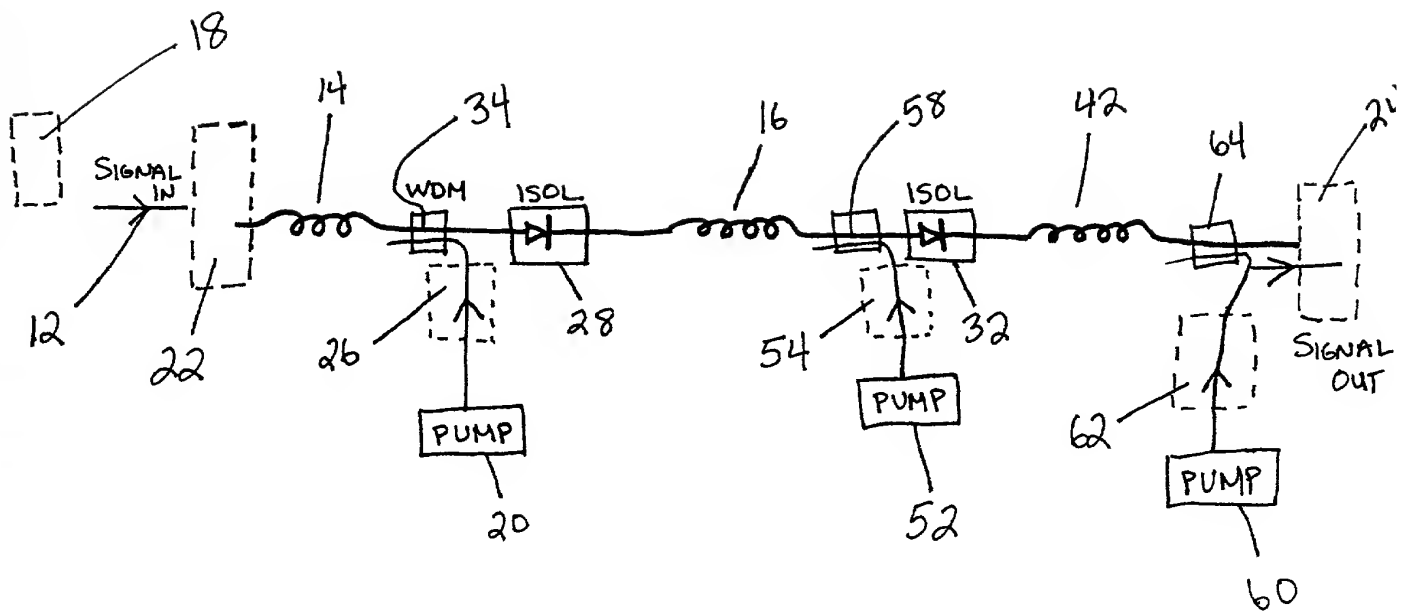


FIG. 9

PUMP =

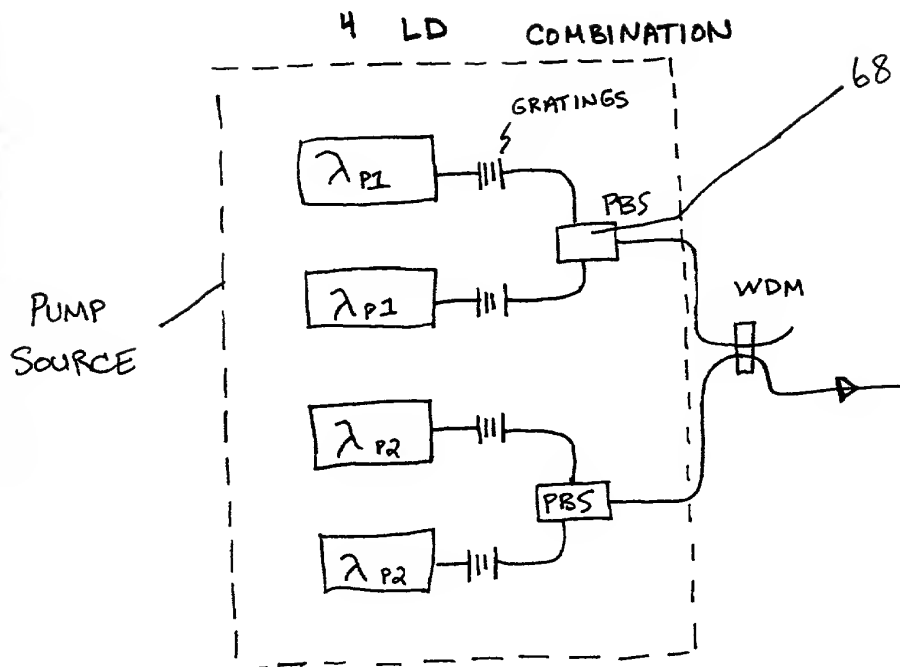


FIG. 10

8 LD COMBINATION

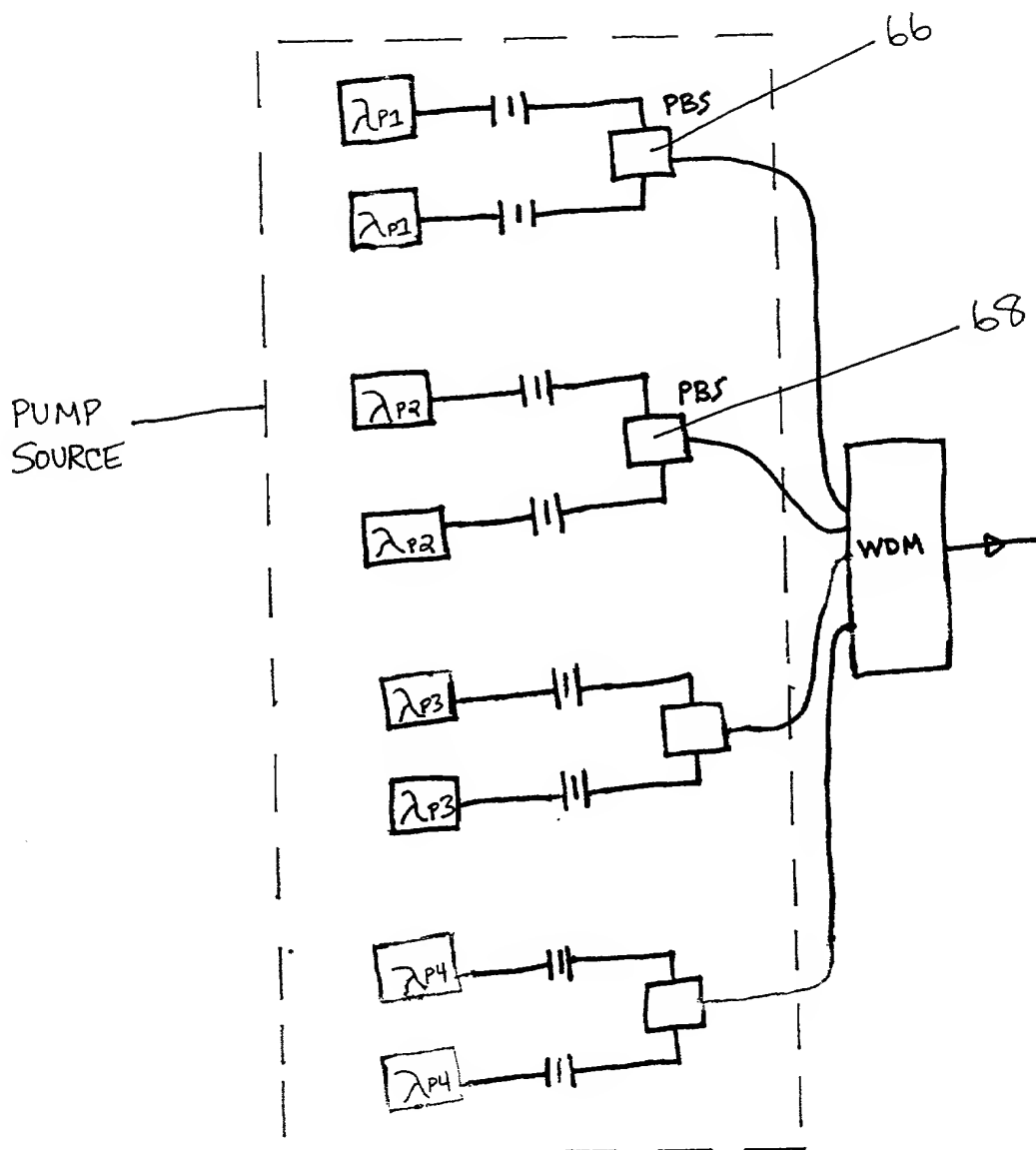


FIG. 11

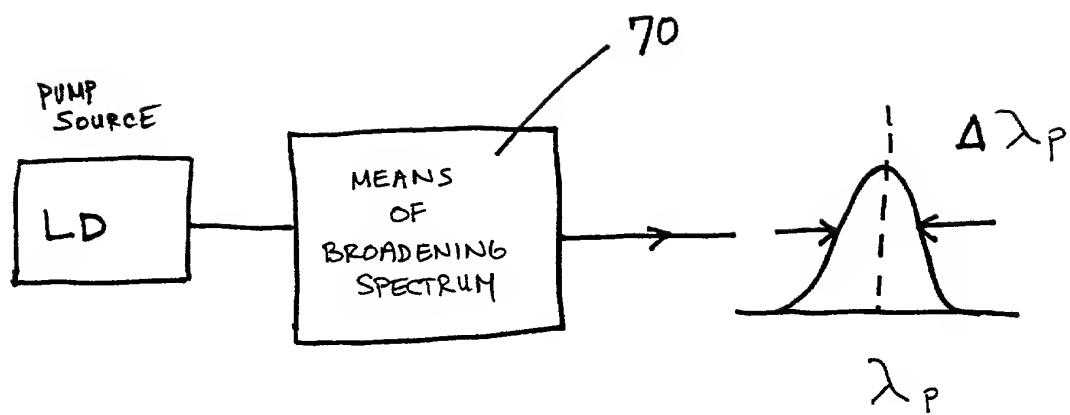


FIG. 12

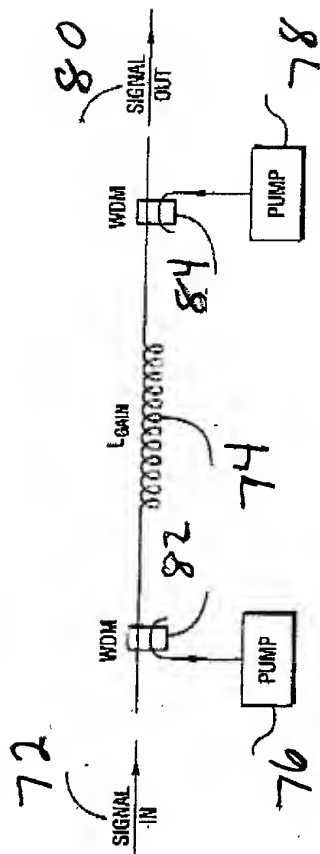
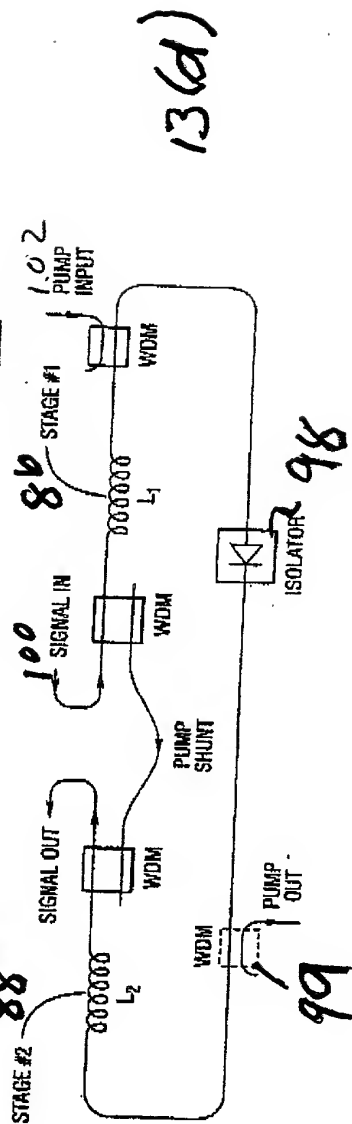
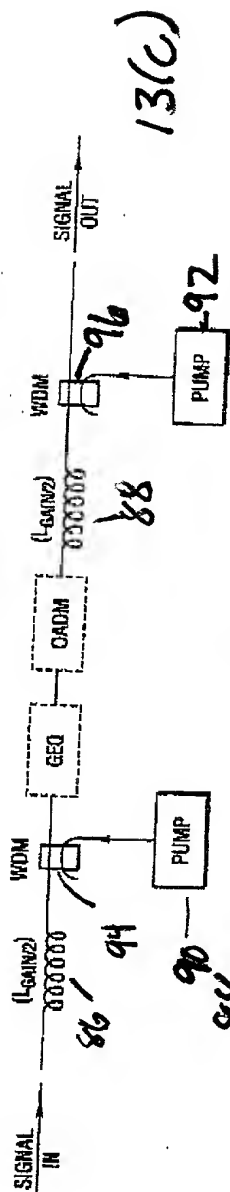
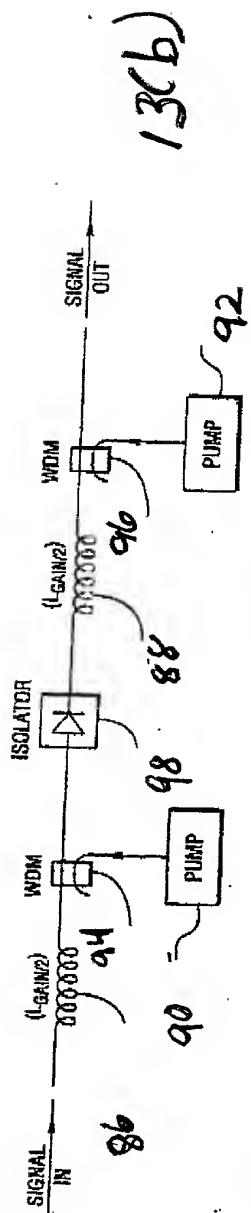


Fig 13(a)



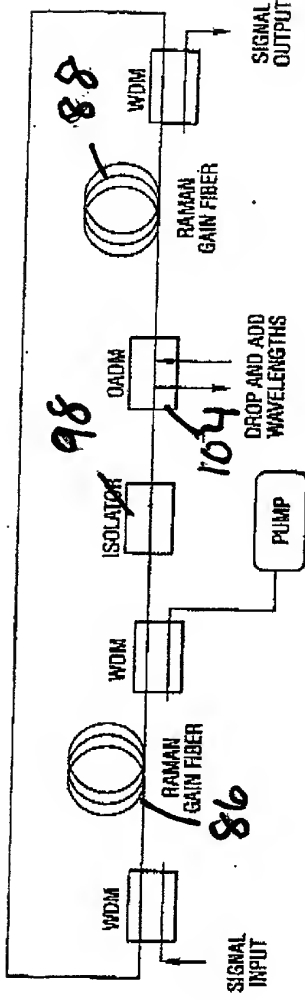


Fig 13(e)

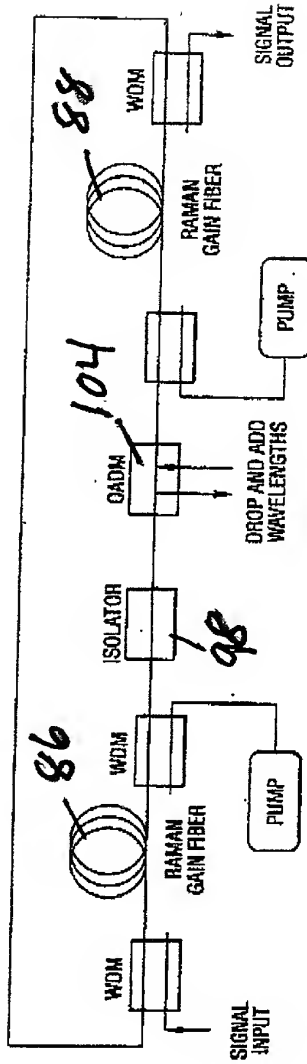
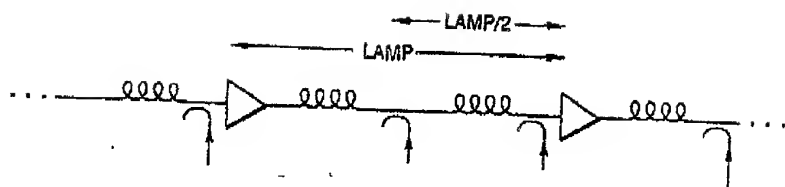
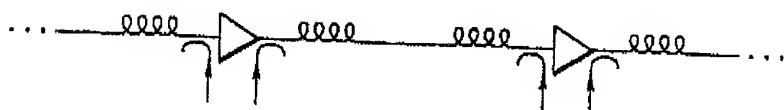


Fig 13(f)



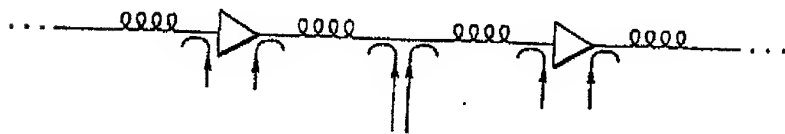
PUMPS

Fig 14(a)



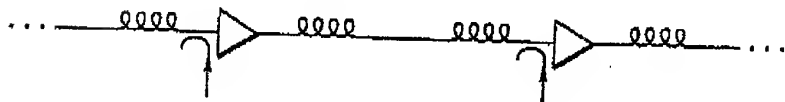
PUMPS

Fig 14(b)



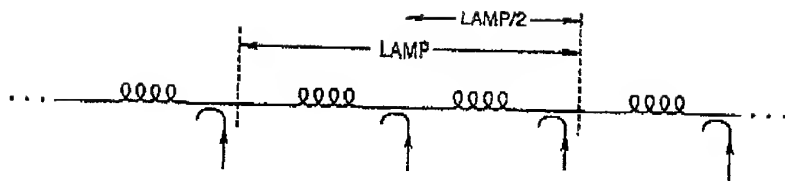
PUMPS

Fig 14(c)



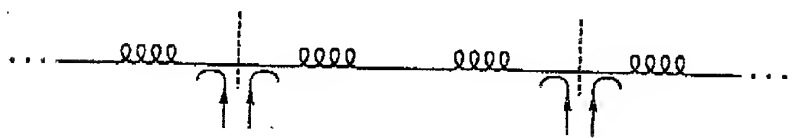
PUMPS

Fig 14(d)



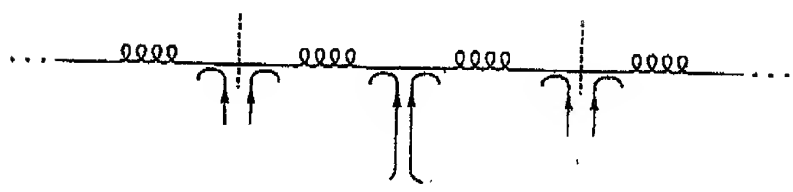
PUMPS

Fig 15(a)



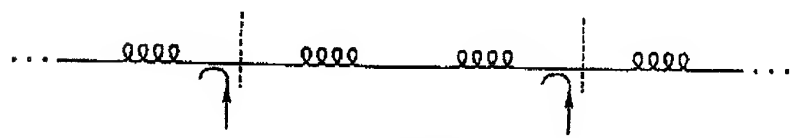
PUMPS

Fig. 15(b)



PUMPS

Fig. 15(c)



PUMPS

Fig. 15(d)

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106 ~

112 110

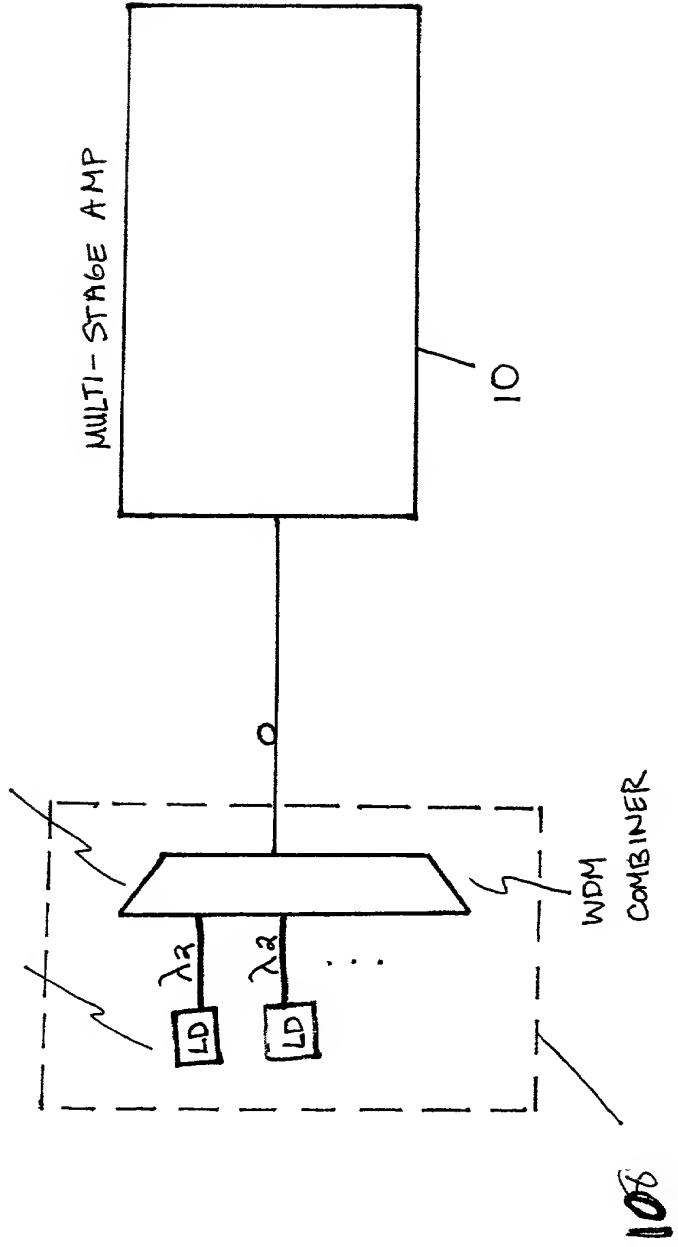
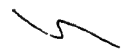


FIG. - 1b

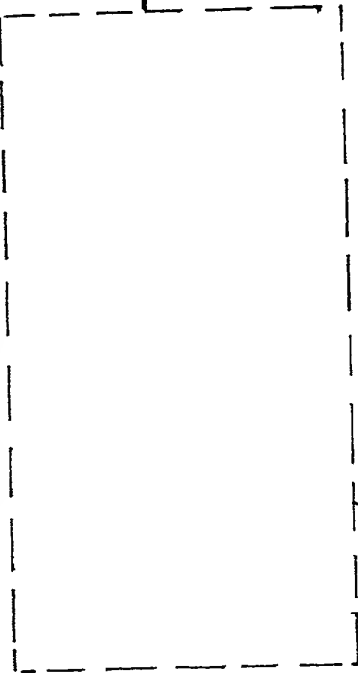
113



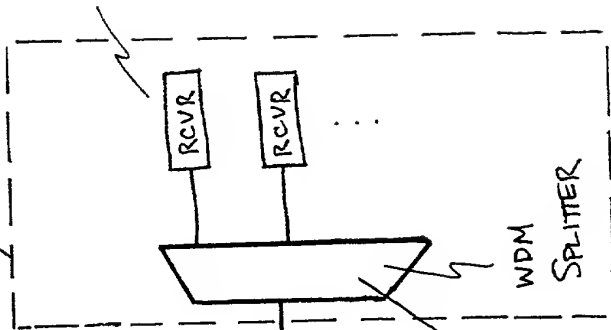
114

118

MULTI-STAGE AMP



10

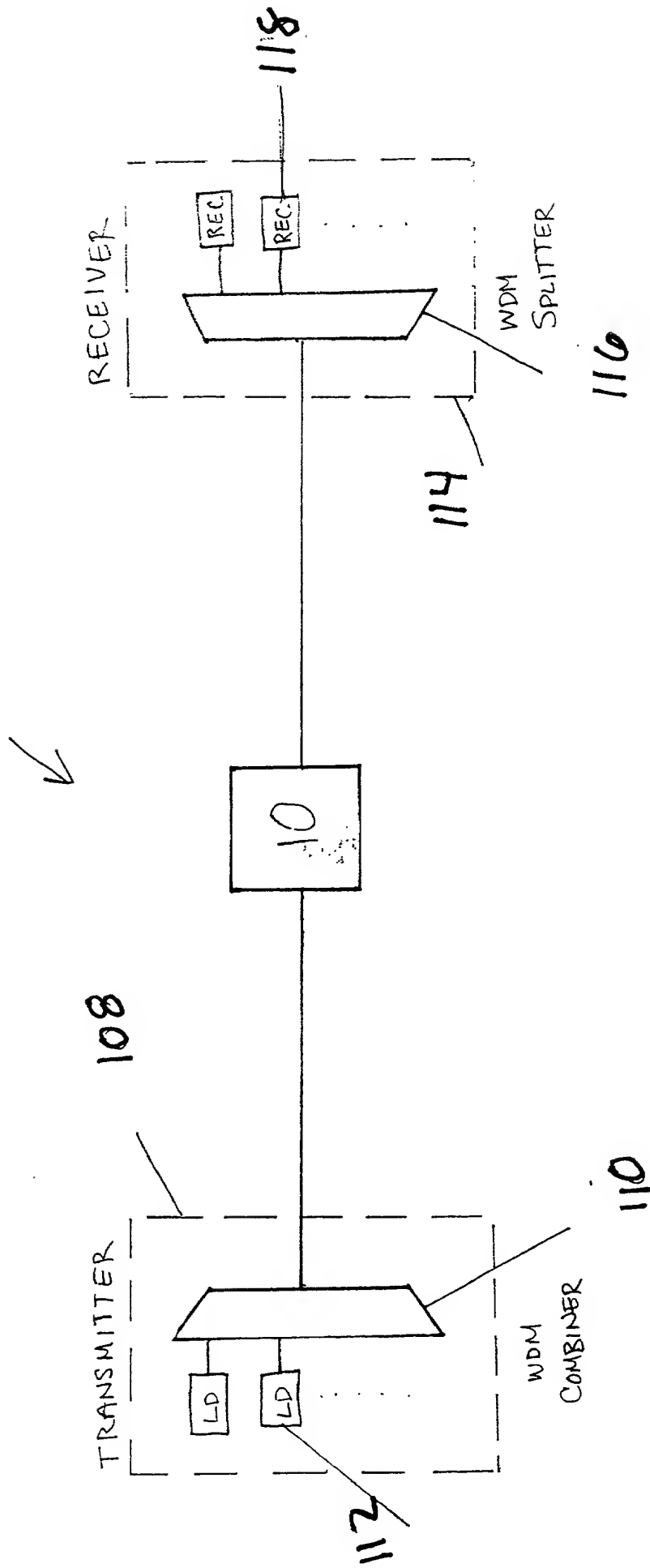


WDM
SPLITTER

116

FIG. 17

FIG. 18



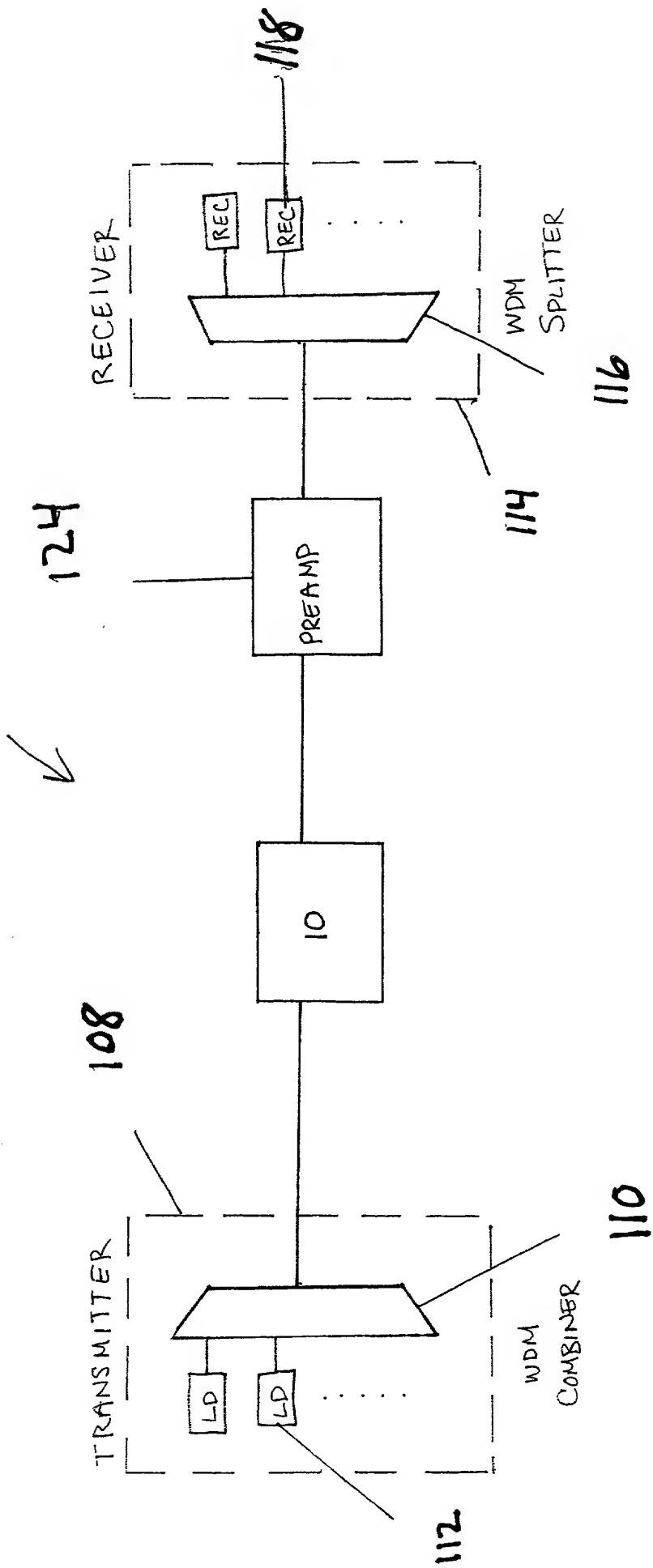


FIG. 19

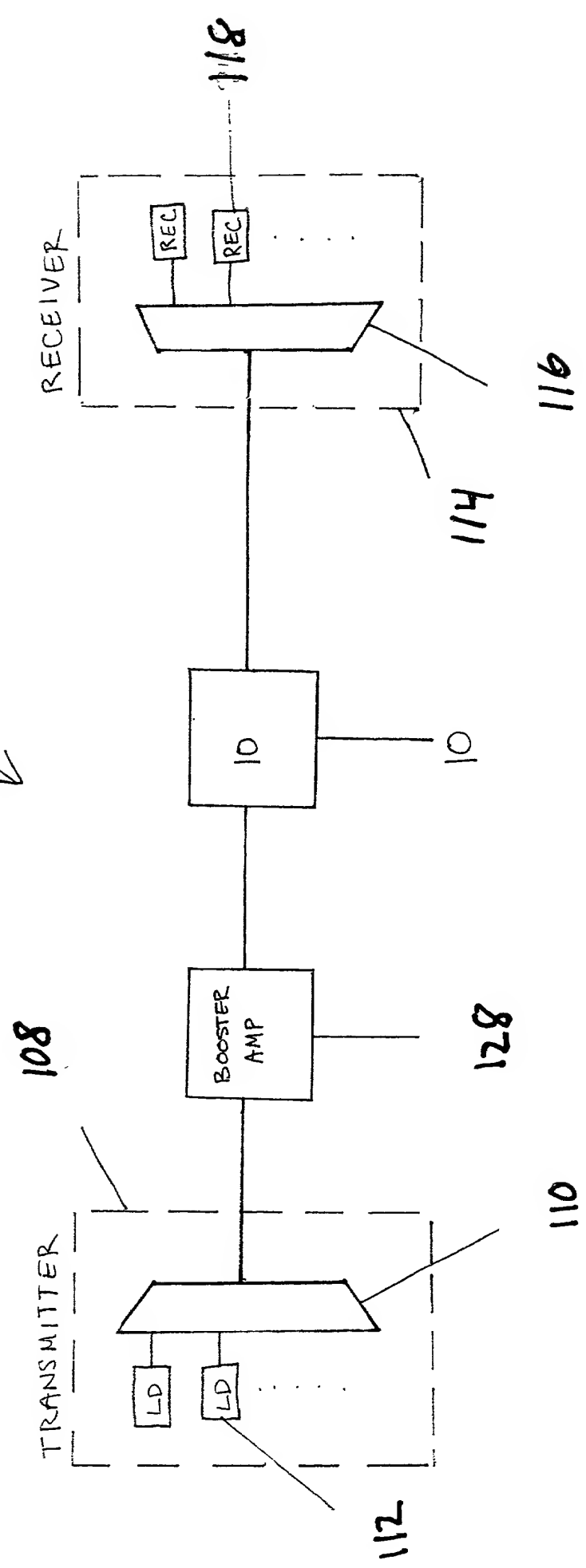


FIG. 20

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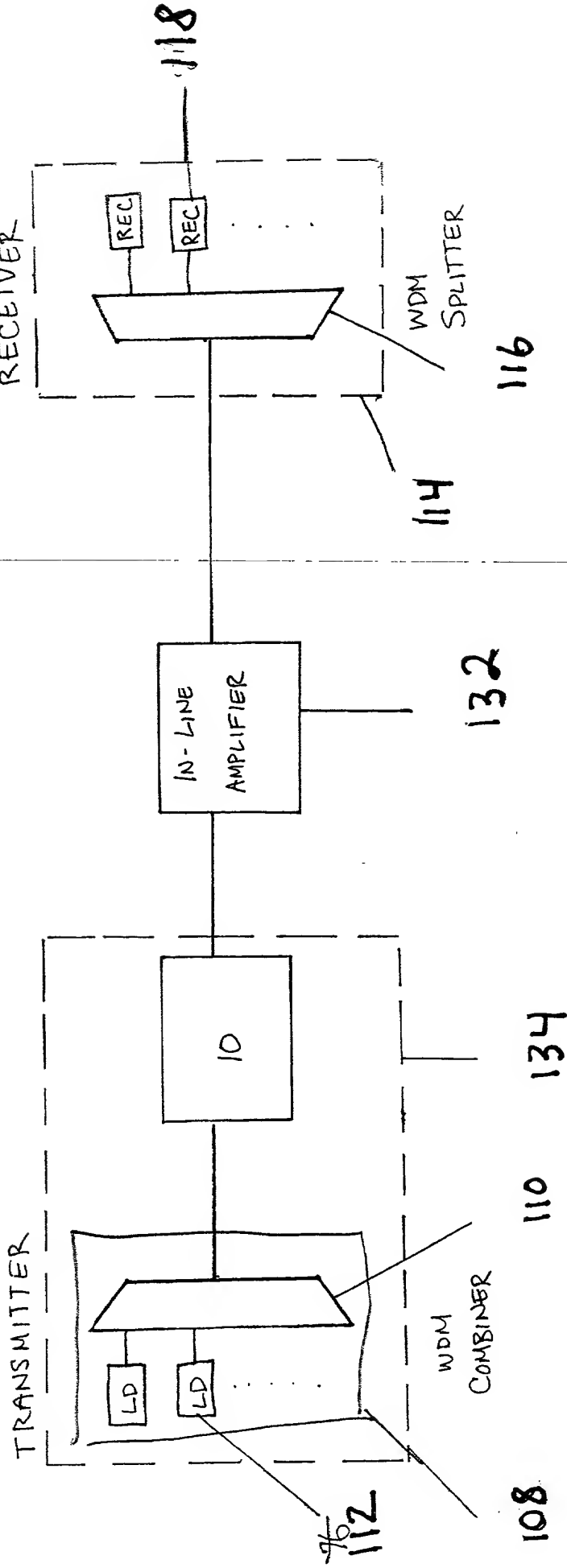


FIG. 21

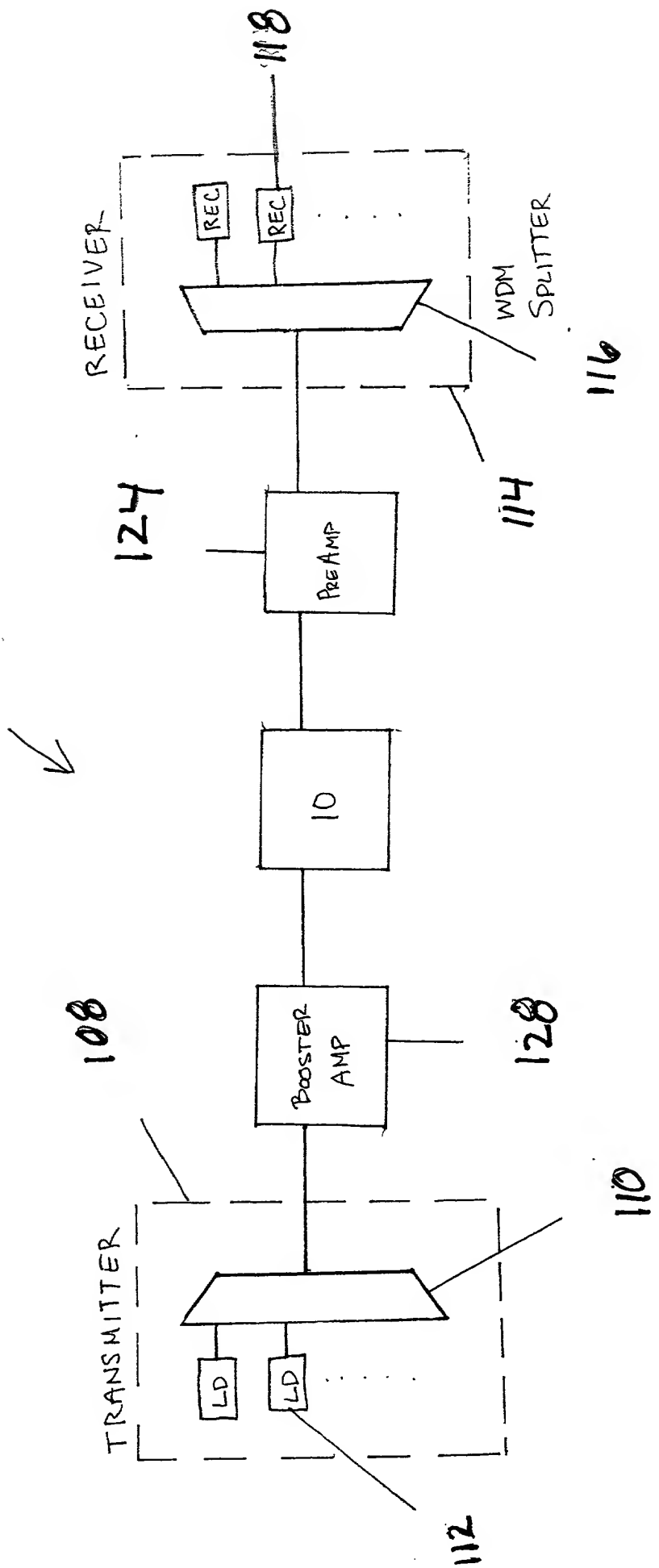


FIG. 22

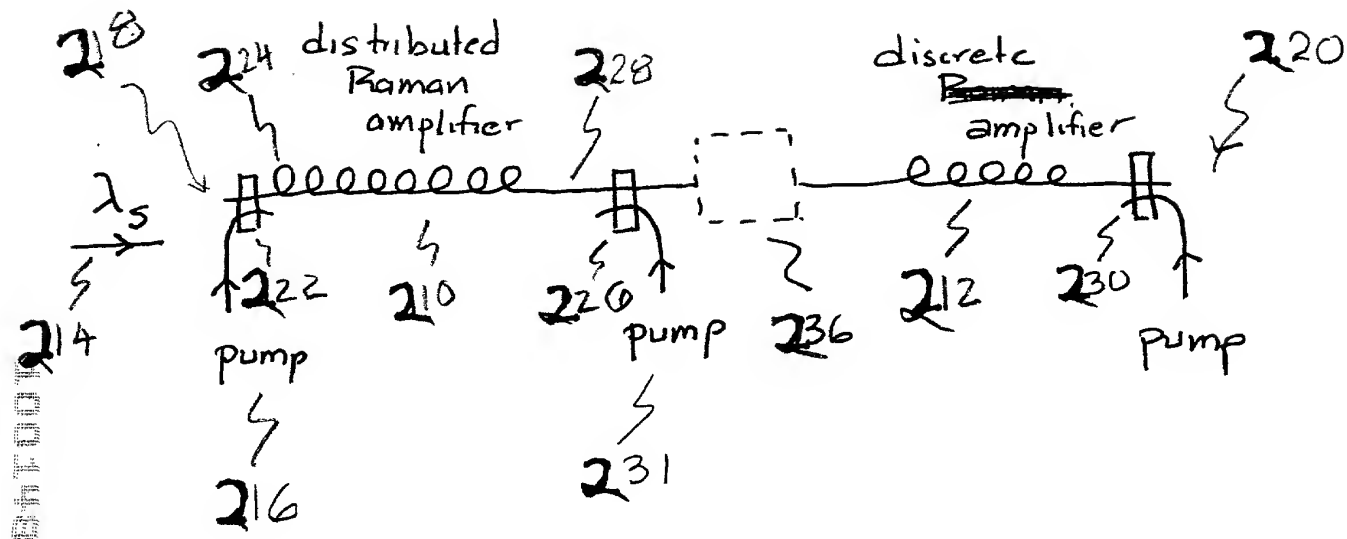


Fig 23 (a)

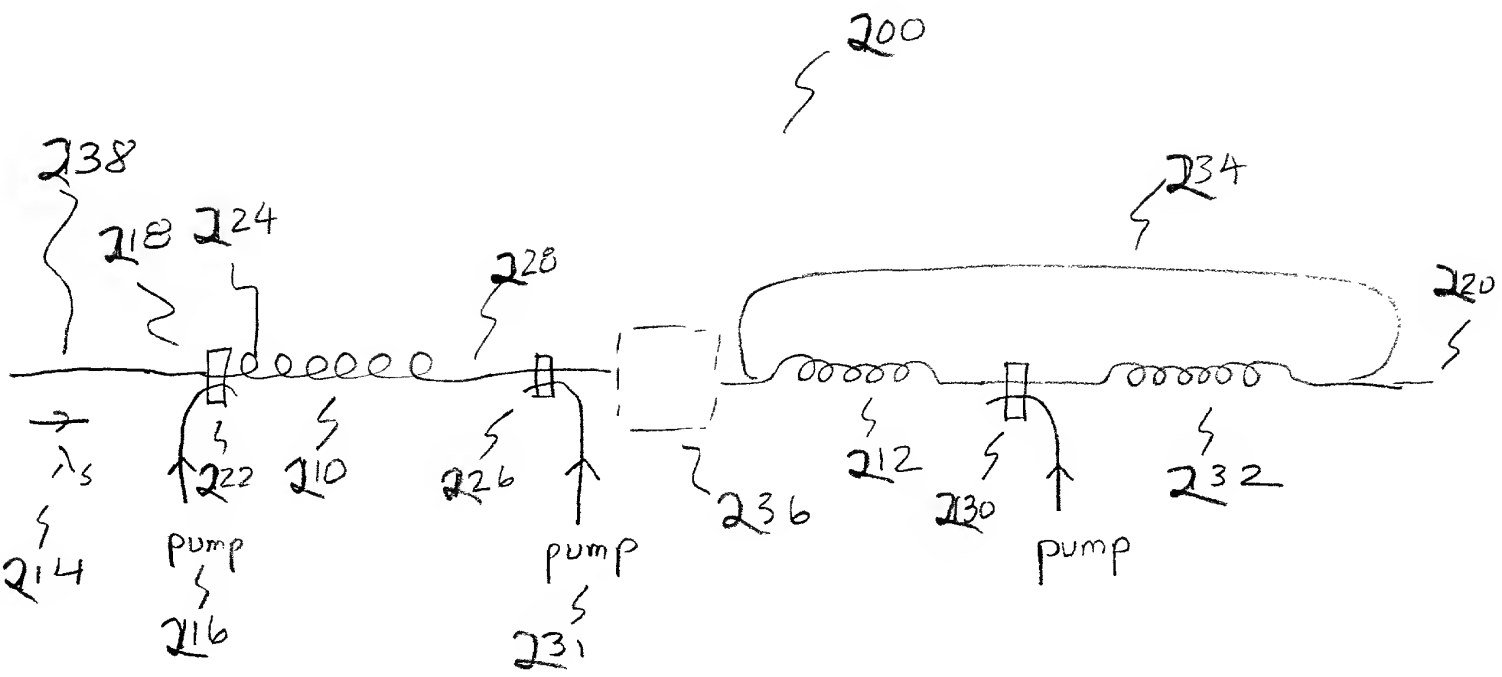


Fig 23 (b)

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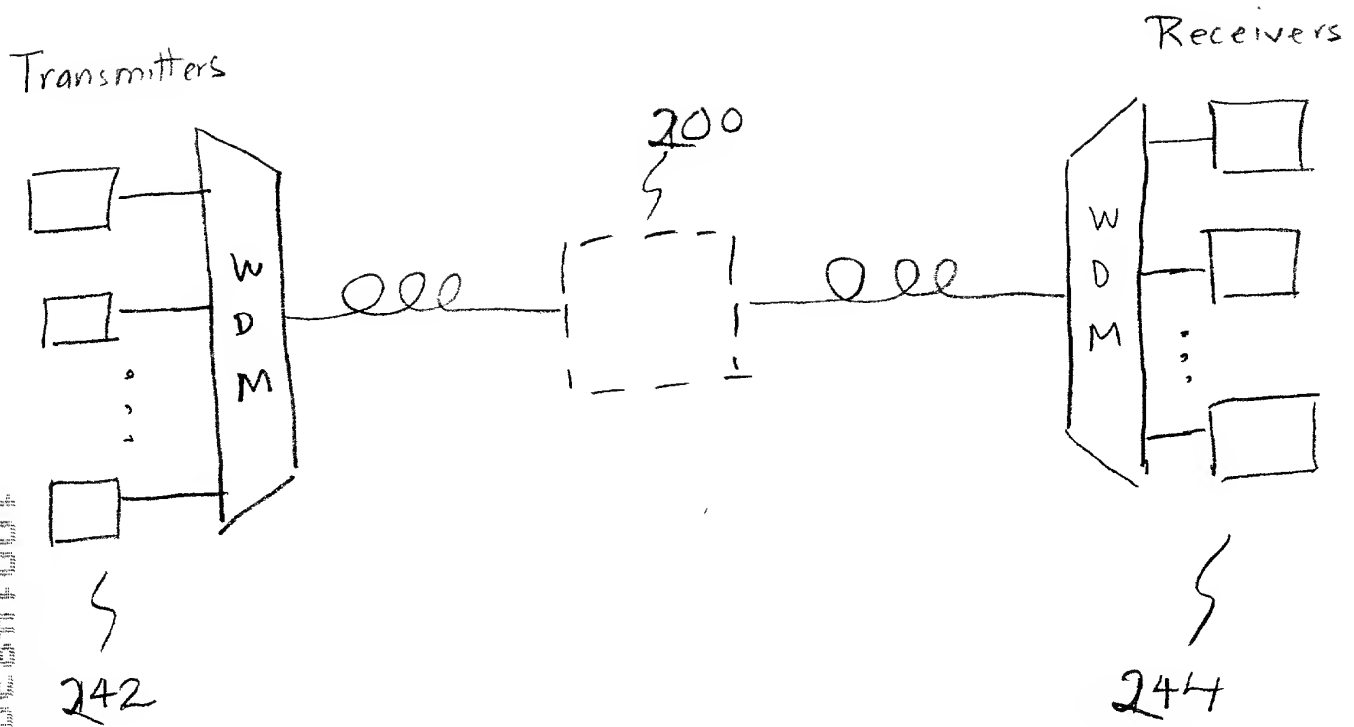


Fig 23.(c)

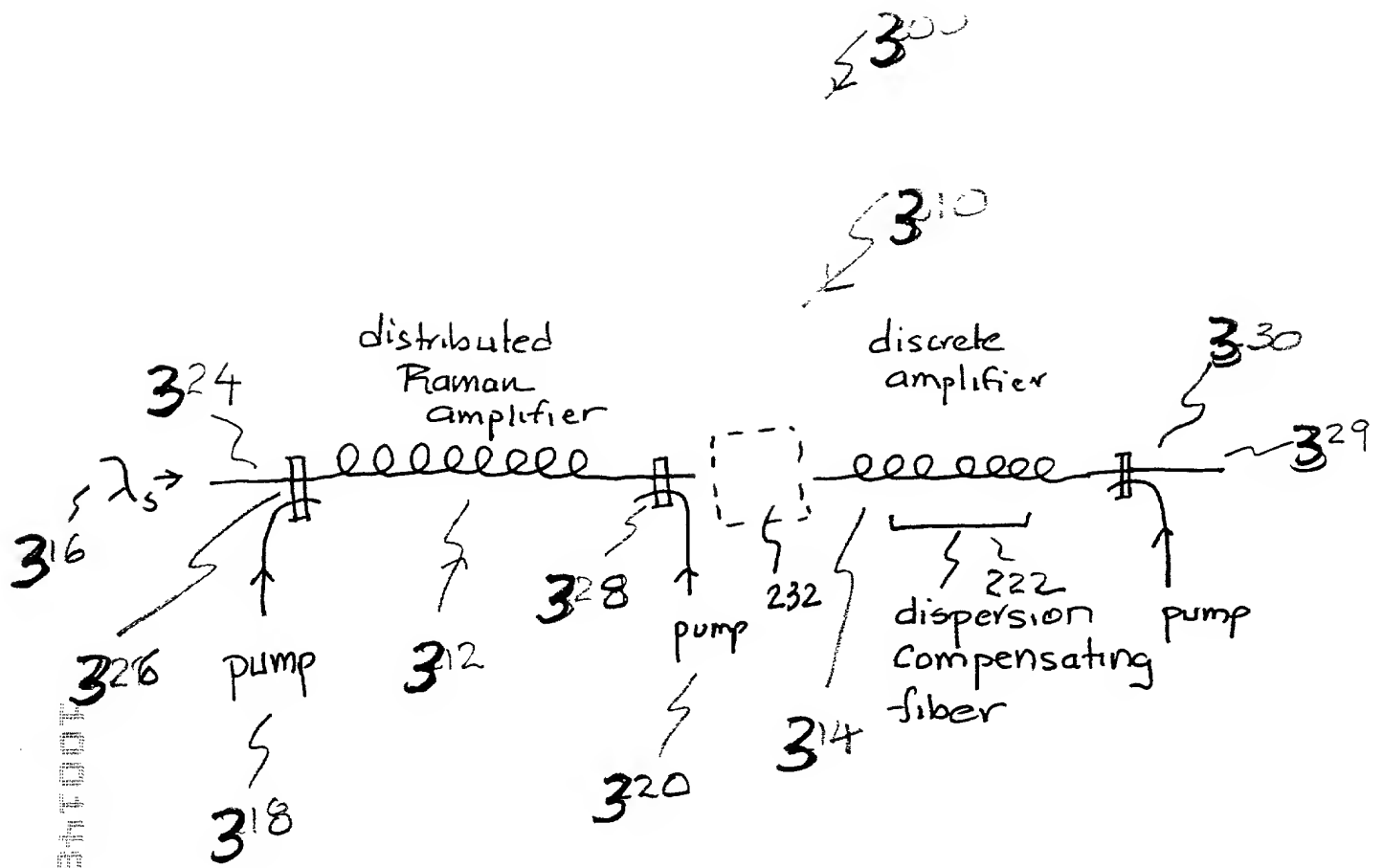


Fig 24(a)

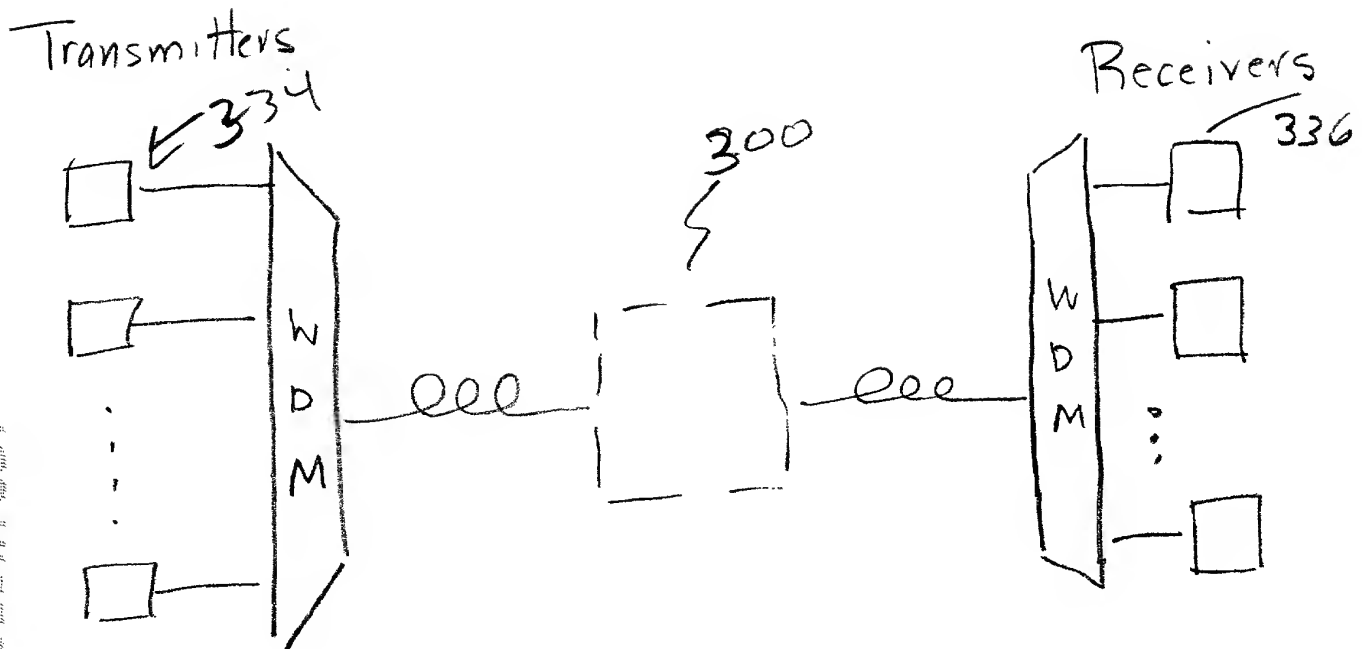


FIG. 24(b)

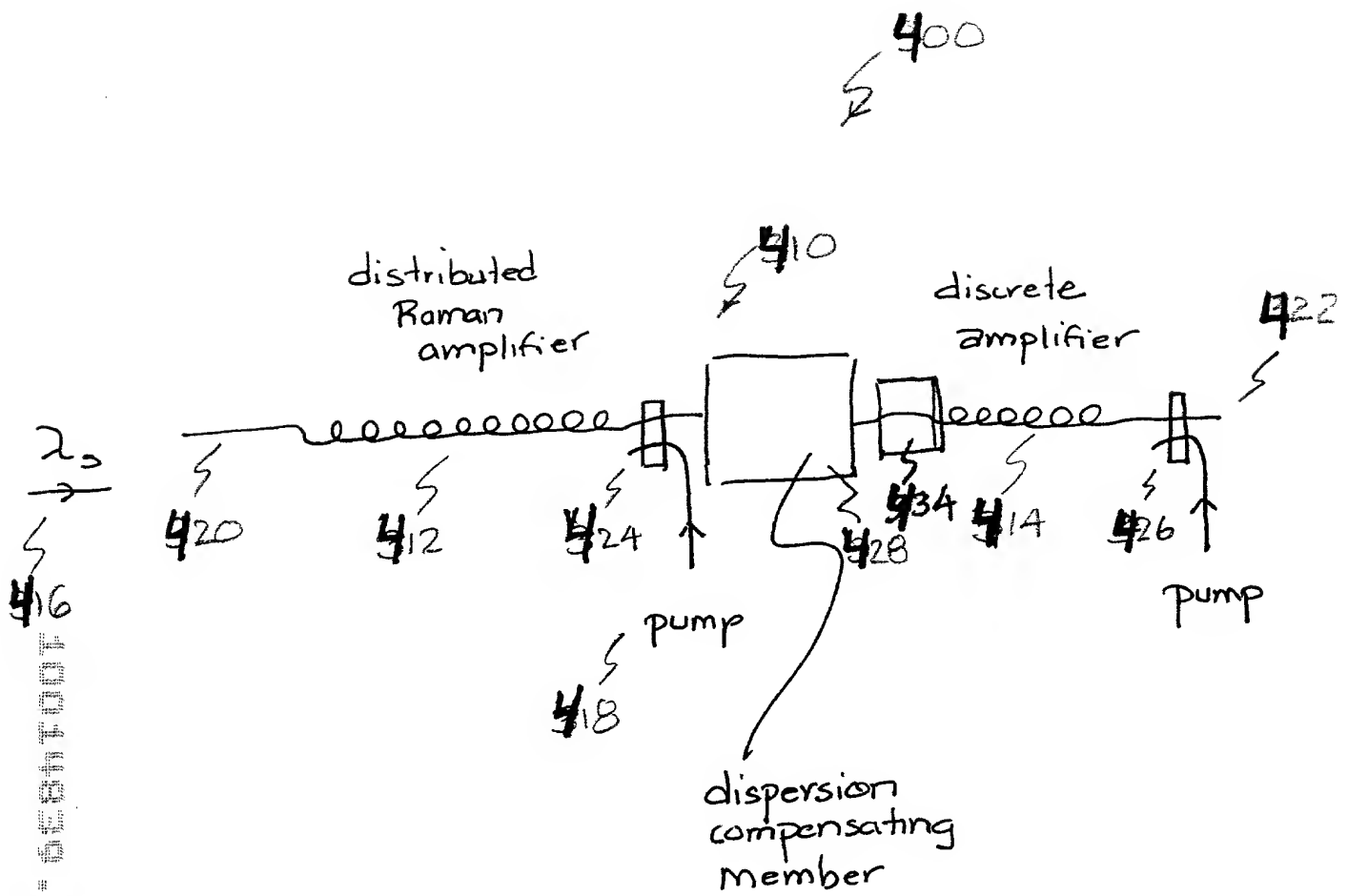


Fig 25(a)

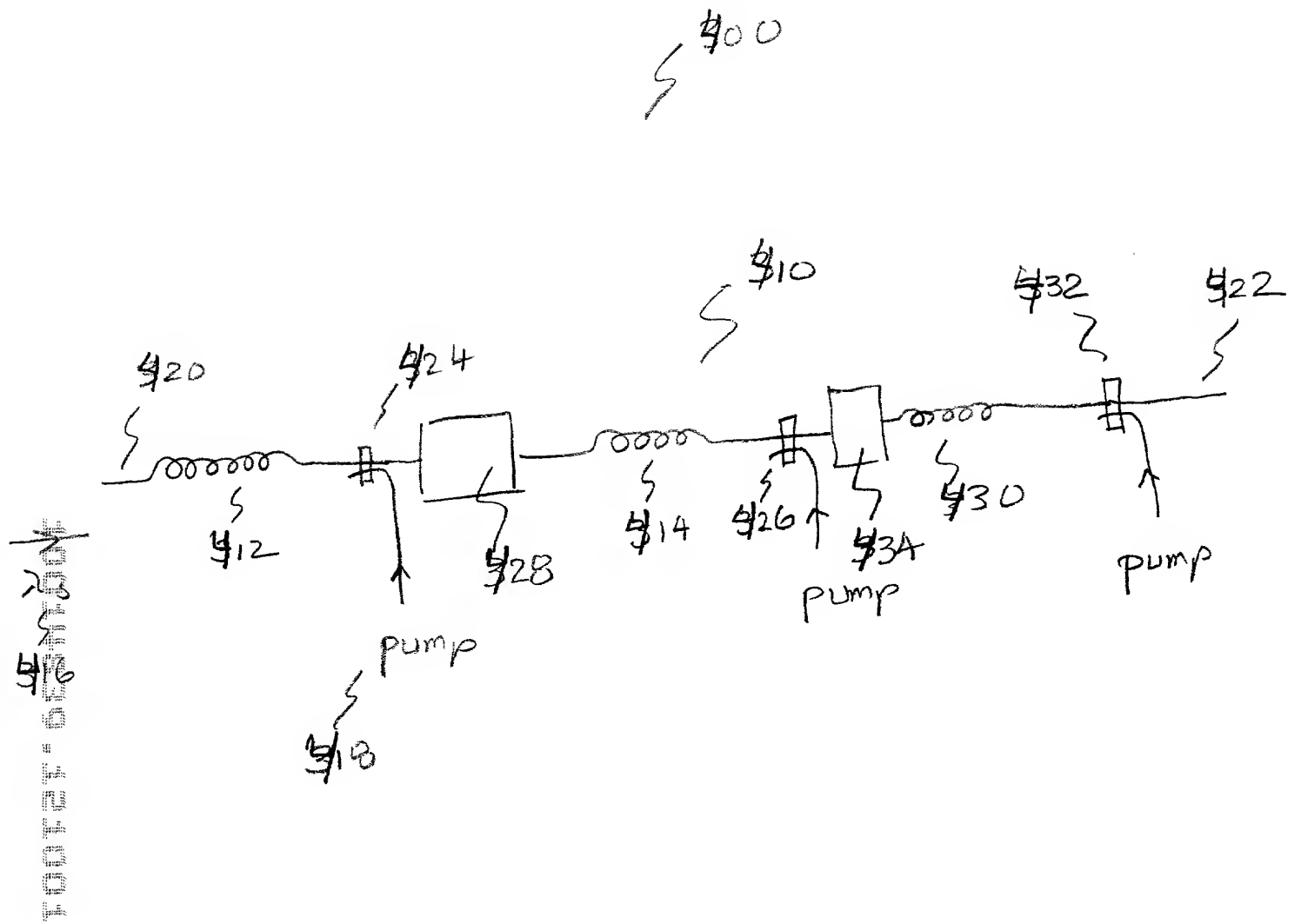


Fig. 25(b)

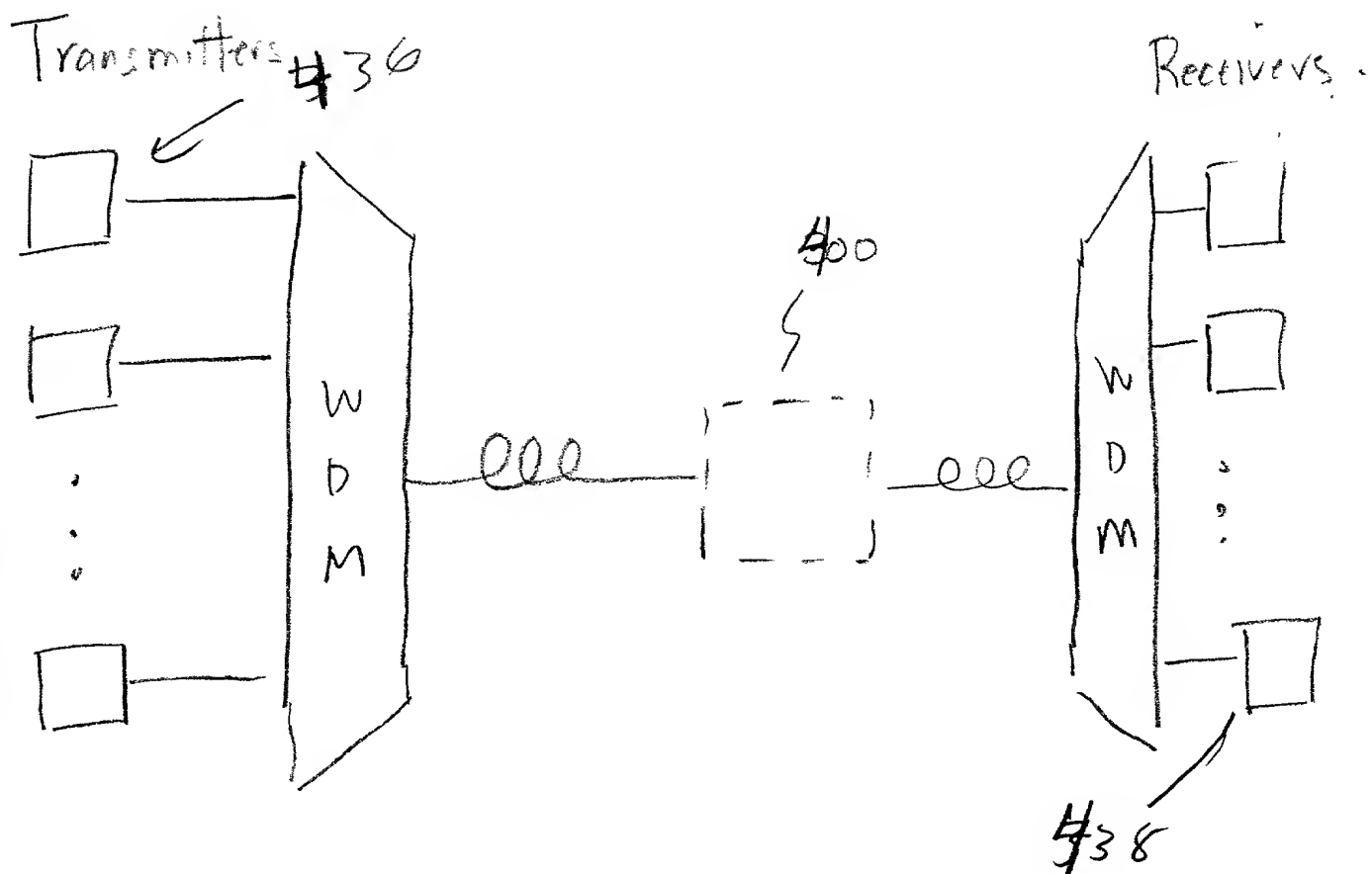


FIG 25.(C)

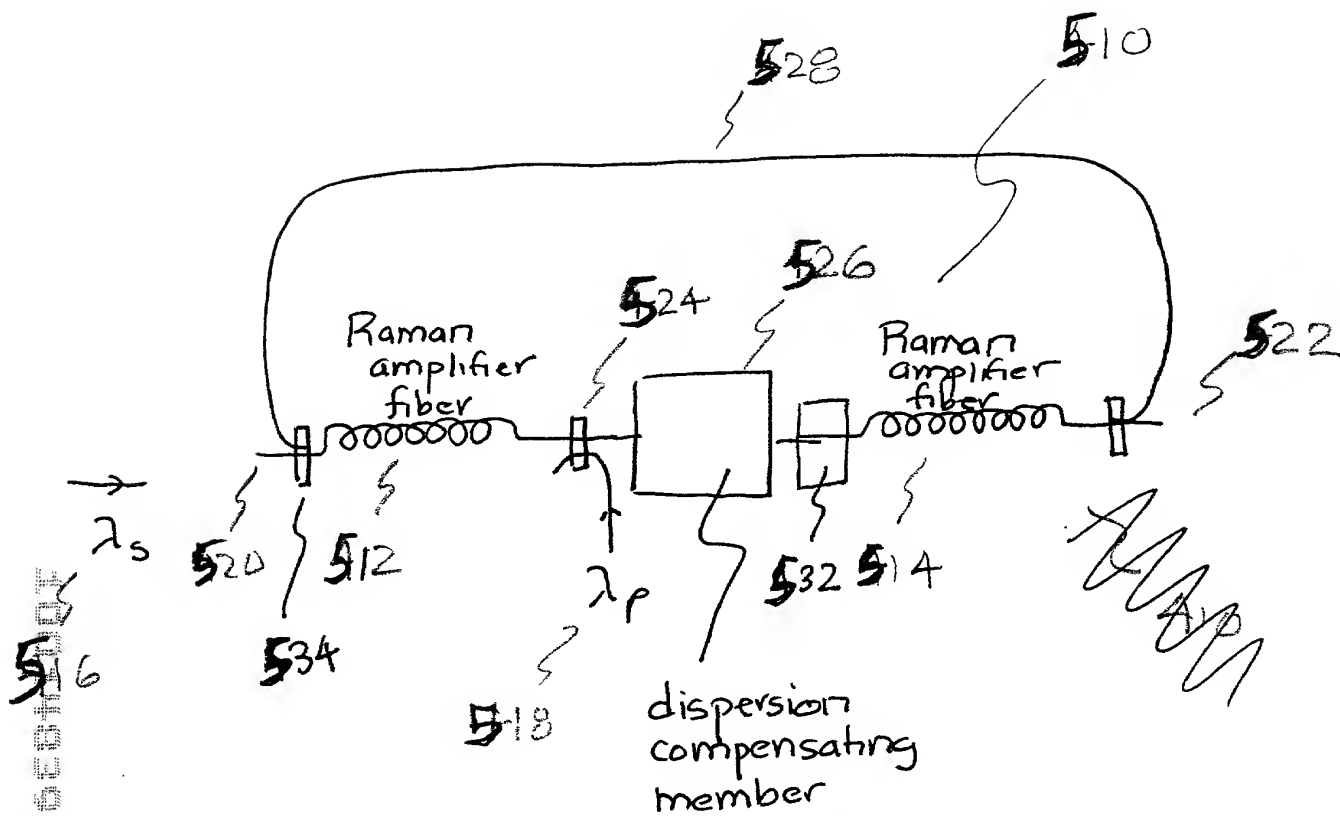


Fig 2 6 (a)

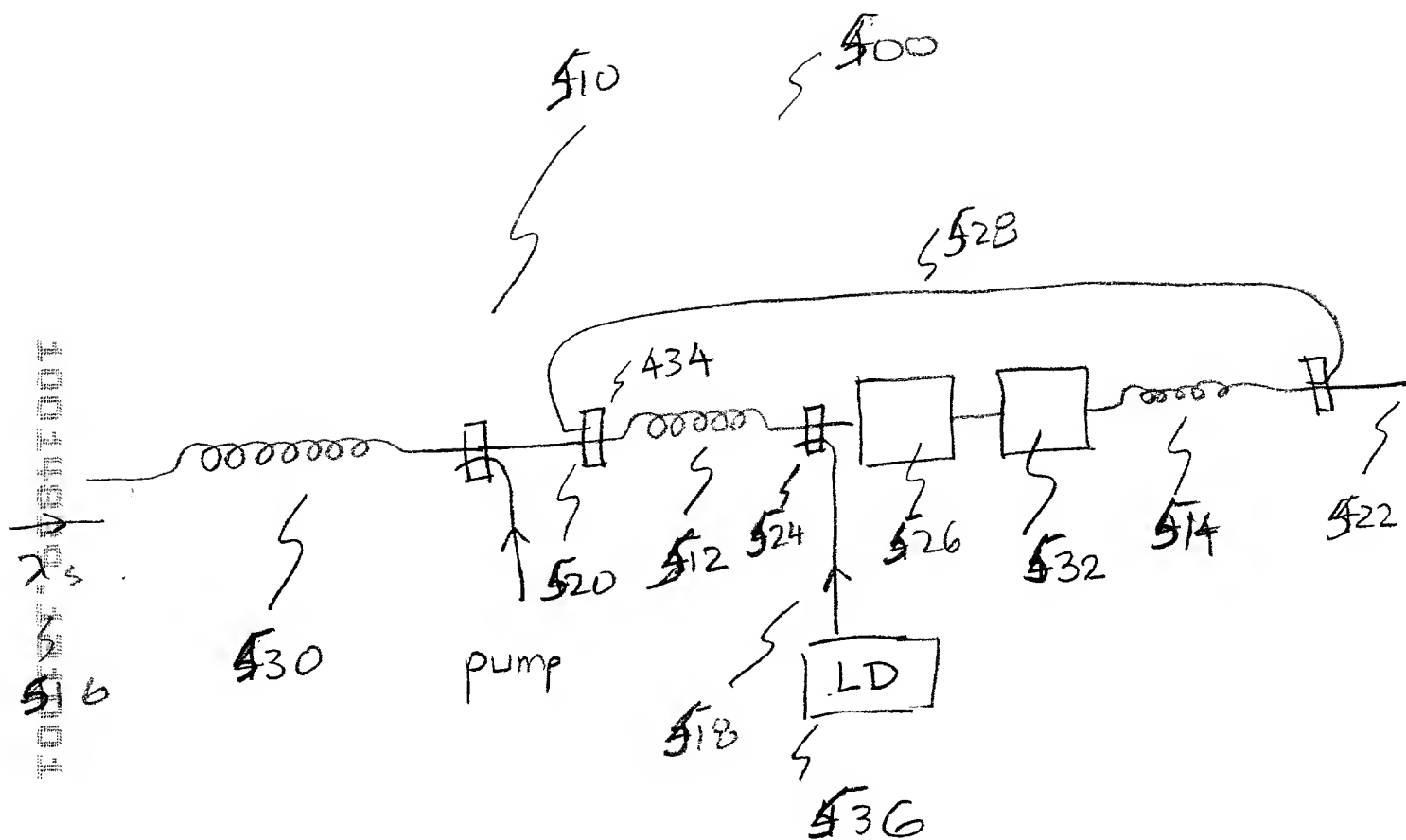


FIG 26 (b)

Transmitters

Receivers

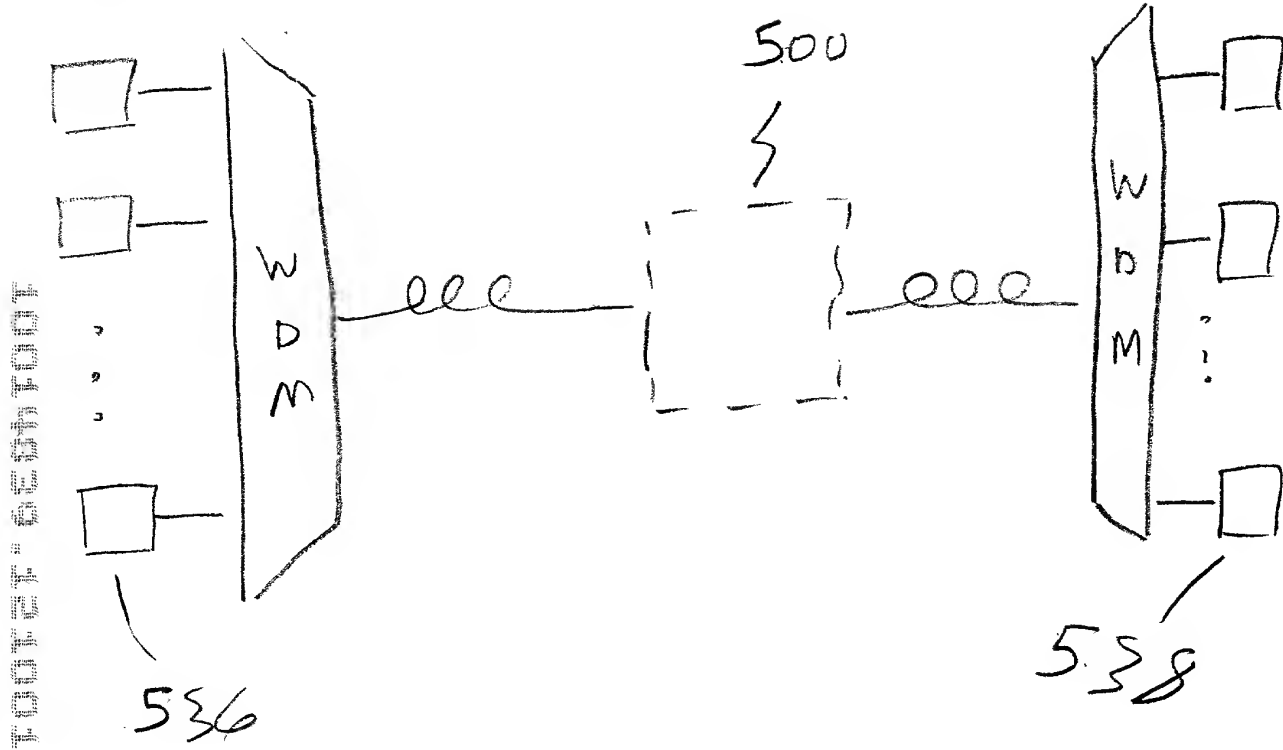


FIG. 26(c)